Application Serial No.: 10/612,116

Attorney Docket No.: 051319-0036

Preliminary Amendment, dated July 13, 2005

Amendments to the Specification:

Please amend paragraphs [0008], [0009], [0027], [0041] of the specification in the above-

identified application as follows:

[0008] The construction of the serial ventilation device of the present invention is

characterized by a casing of almost equal external dimensions housing the body of the ventilators

including the blades. The device has a first ventilator which performs regular ventilation to from

the rear side of the blades, and a second ventilator which performs regular ventilation to from the

front side of the blades, Ventilation occurs when the front ventilation side of the blades of both

ventilators are facing the same direction and rotating in the same direction. The first ventilator is

mounted on the air intake opening side of the device, with the front surface of its blades facing

the air intake side. The second ventilator is mounted on the air exhaust opening side of the

device, with the front surface of its blades facing the air exhaust side. Both ventilators are placed

in succession in a serial state, with the rotation shafts positioned on the same line, and the

number of blades of the first ventilator is different from the number of blades of the second

ventilator.

[0009] An embodiment of the invention is characterized by external dimensions of the

casings for each of the ventilators being formed such that they are perforated with assembly

holes in the same location at each corner and, in each casing, screw holes or notches in order to

mutually connect the ventilator locate in a position that is contiguous when the ventilators are

placed in series, excluding the position that links the assembly holes of the ventilators in a

straight line on straight lines that link the assembly holes of the ventilators (i.e., a screw hole or a

notch located in order-to-mutually connect the ventilators).

[0027] The ventilation blade surfaces of fan motors I and II are in the same direction. In

other words, the front side facing the forward (exhaust) observer direction. Moreover they are

configured such that, when rotating in the same counter-clockwise direction α (forward rotation),

fan motor I performs regular ventilation to from the rear side of the blade surface and fan motor

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II performs regular ventilation to from the front side of the blade surface. Accordingly, regular ventilation is ventilation in the direction actively intended in the design of fan motors I and II.

[0041] In the present invention above, a first ventilator that ventilates from to the rear side of the blades and a second ventilator that ventilates from to the front side of the blades when all of the blades are rotated in the same direction and in which the ventilation surface of the blades are facing the same direction is described. That is, the first ventilator is mounted to the intake opening side of a device with the front surface of its blades facing the air intake side while the second ventilator is mounted to the exhaust opening side of the device with the front surface of its blades facing the air exhaust side. Then, both ventilators are connected serially such that their rotation shafts are positioned on the same straight line. Furthermore the number of blades of the first ventilator is set higher or lower than the number of blades of the second ventilator, thus obtaining the P-Q characteristics shown, for example, in Figure 6. In this way, airflow increase can be realized in comparison with the conventional serial ventilation device without enlarging the shape or size.